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(71)Applicant : MATSUSHITA ELECTRIC IND CO LTD

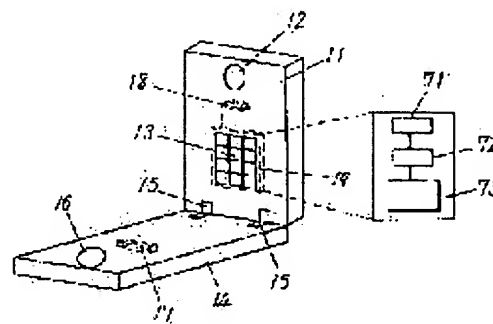
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(72)Inventor : TAKAHASHI MASAYUKI

**(54) FOLDABLE PORTABLE RADIO TELEPHONE SET AND PROCESSING CIRCUIT USED THEREFOR****(57)Abstract:**

**PROBLEM TO BE SOLVED:** To set an opening/closing detection angle largely without being affected of secular deterioration of a contact or a spring by providing a magnet in one part of two cases foldable via a hinge and providing a magnetoelectric conversion means for sensing a magnetic field strength in another part, thereby detecting an opening/closing state of the case.

**SOLUTION:** A magnet 17 made of a ferrite or the like is embedded to a 2nd case 14 provided with a microphone section 16. A magnetoelectric conversion means 18 made of a magneto-resistance element or the like is embedded in a 1st case 11 provided with a speaker section 12. When the 1st and 2nd cases 11, 14 are folded via the hinge device 15, the magnetoelectric conversion means 18 approaches the magnet 17 opposite to each other to receive a magnetic field so as to change a voltage division ratio of resistors. A circuit on a processing circuit board 19 based thereon executes a functions or the like to suppress power consumption of the radio telephone set. For example, when a surface magnetic flux density of the magnet 17 is 0.25 T, the switching angle of the 1st and 2nd cases 11, 14 is 15 degrees.

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